Purpose

This report is to measure the performance of BT antenna for H01.The antenna operating frequency at 2.4~2.5GHz, All test data are showed as below.

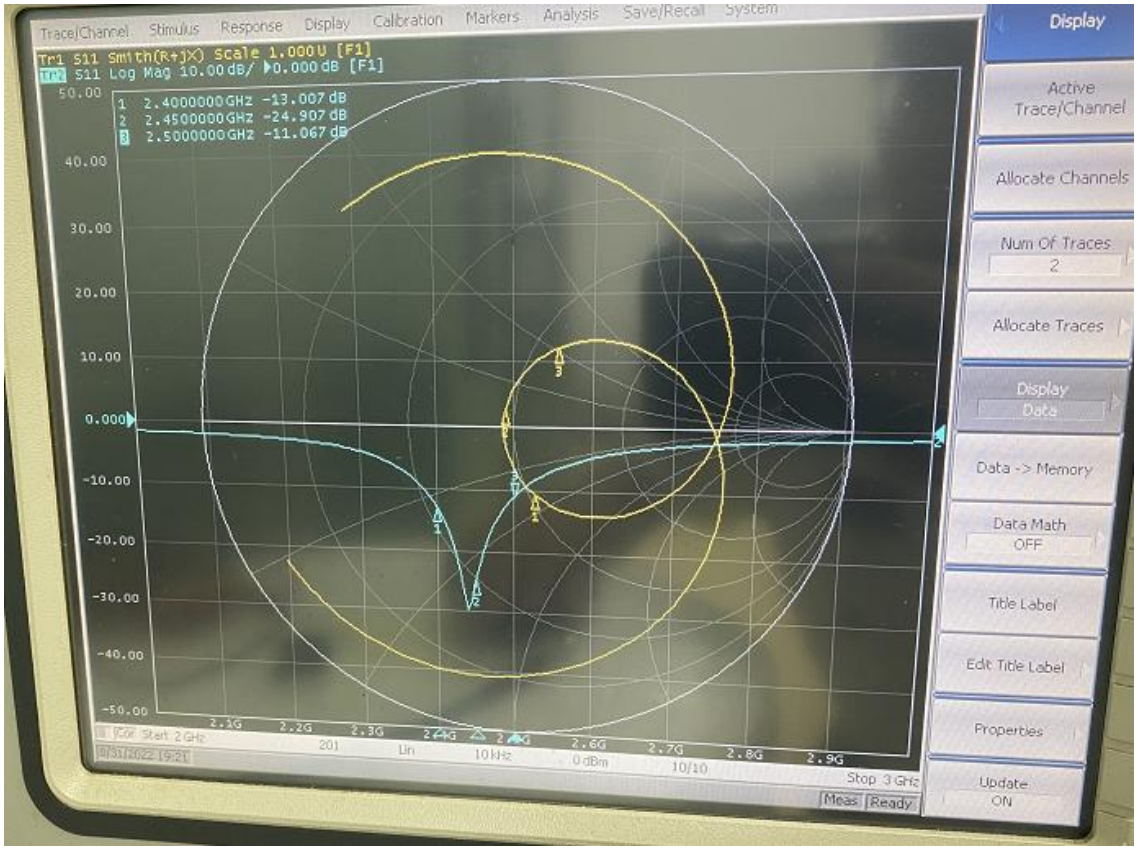
Content

1. Product Overview & Dimension
2. Test system
3. Antenna Matching Network
4. Test Result
   4.1 S11 Parameter
   4.2 Test coordinate
   4.3 2D Pattern
   4.4 OTA Data
   4.5 BT Boot measured
5. Antenna Assembly & environmental processing

2.Test System

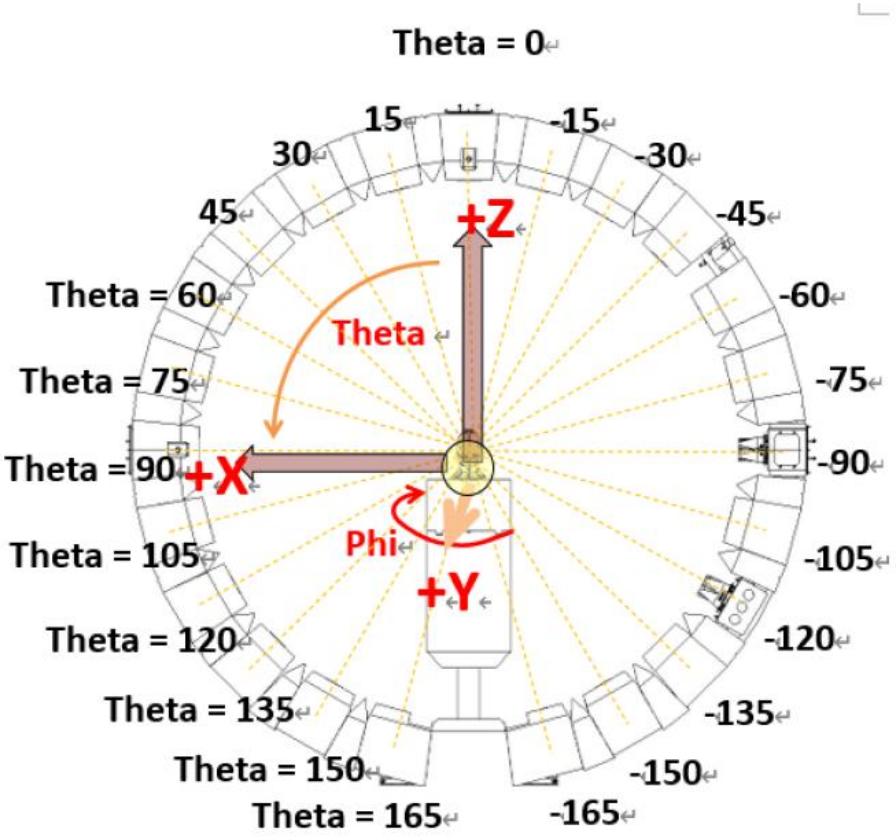
Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & Agilent 5062A
OTA Test	TRP&TIS	CMW500 &CMW270 ETS&SATIMO
Gain & Efficiency	Gain & Efficiency	ETS&SATIMO Agilent 5071C

无源S11—(BT ANT)


Trace/Channel
Stimulus
Response
Display
Calibration
Markers
Analysis
Save/Recall
System
Tr1 S11 Smith(R+jX) Scale 1.000U [F1]
Tr2 S11 Log Mag 10.00dB/ 0.000dB [F1]
1 2.4000000GHz -13.007dB
2 2.4500000GHz -24.907dB
3 2.5000000GHz -11.067dB
50.00
40.00
30.00
20.00
10.00
0.000
-10.00
-20.00
-30.00
-40.00
-50.00
2.1G
2.2G
2.3G
2.4G
2.5G
2.6G
2.7G
2.8G
2.9G
Cor Start 2GHz
201
Lin
10kHz
0dBm
10/10
Stop 3GHz
Meas
Ready
Display
Active Trace/Channel
Allocate Channels
Num Of Traces
2
Allocate Traces
Display
Data
Data -> Memory
Data Math
OFF
Title Label
Edit Title Label
Properties
Update
ON

Test Result

Sample status & coordinates



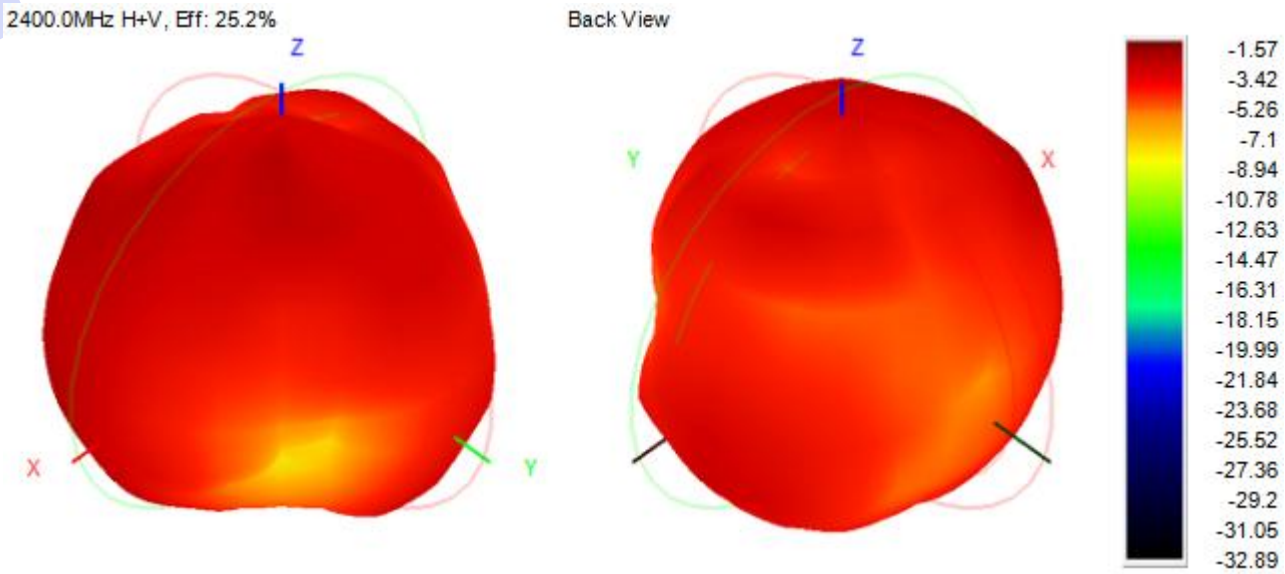
Test Result

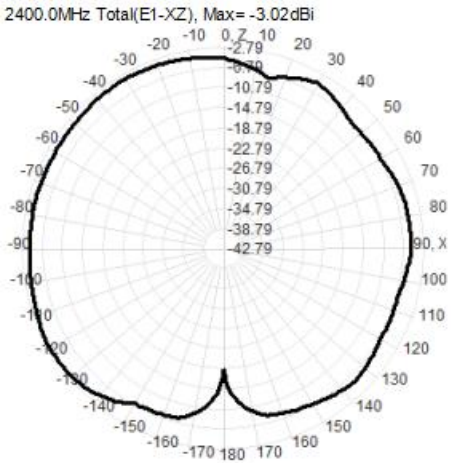
Gain & Efficiency——BT- ANT(L/R)

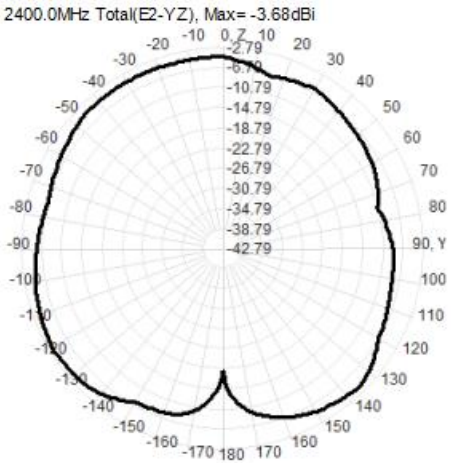
Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	25.25	-1.57
2410	26.57	-1.06
2420	26.52	-1.09
2430	29.04	-0.67
2440	29.29	-0.66
2450	29.57	-0.57
2460	29.96	-0.42
2470	30.62	-0.63
2480	29.30	-0.83
2490	28.31	-0.83
2500	28.01	-0.64

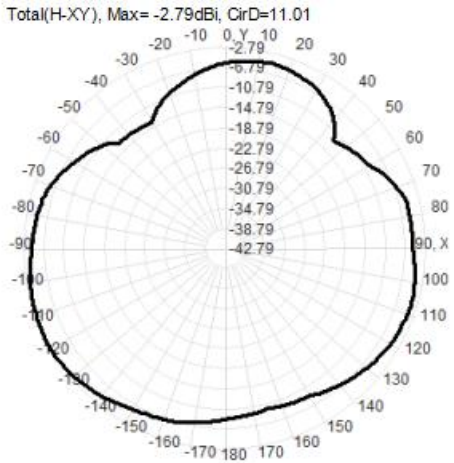
Test Result

2D&3D——BT- ANT



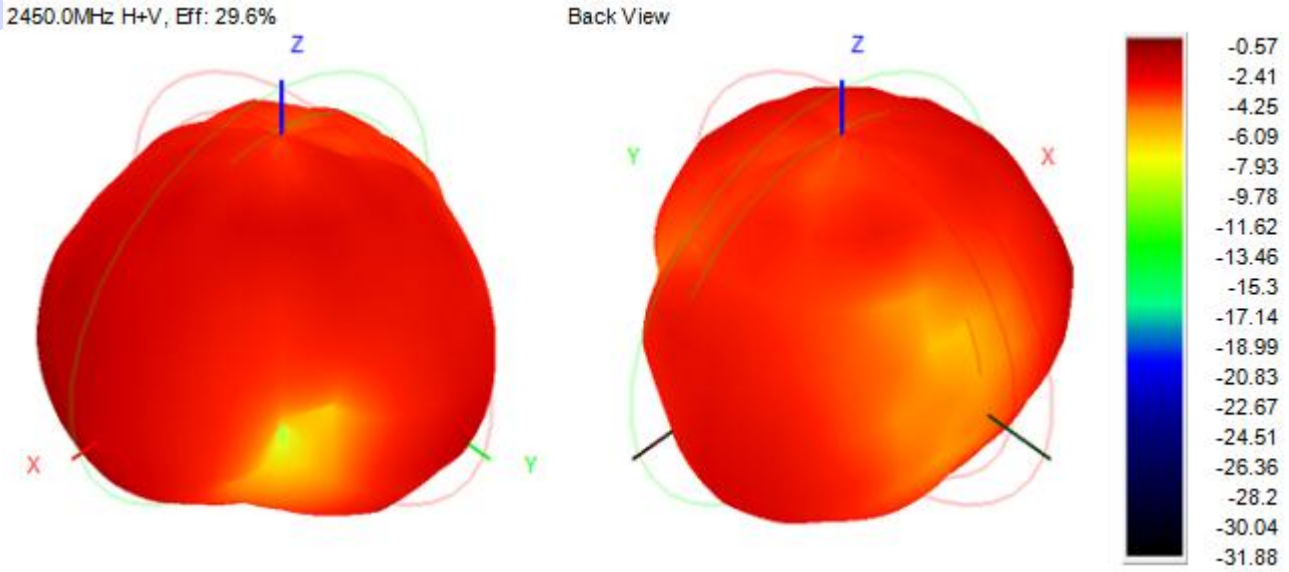


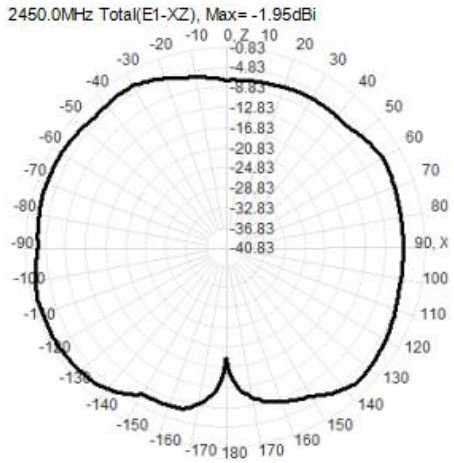


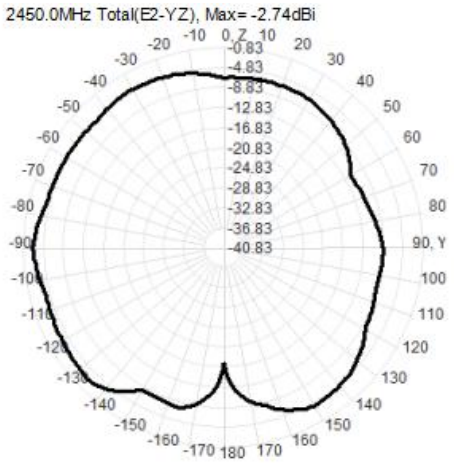


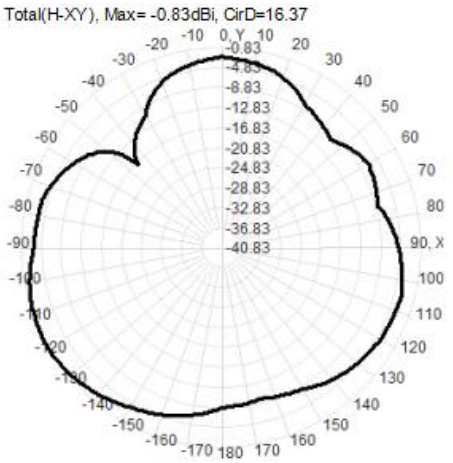
Test Result

2D&3D——BT- ANT



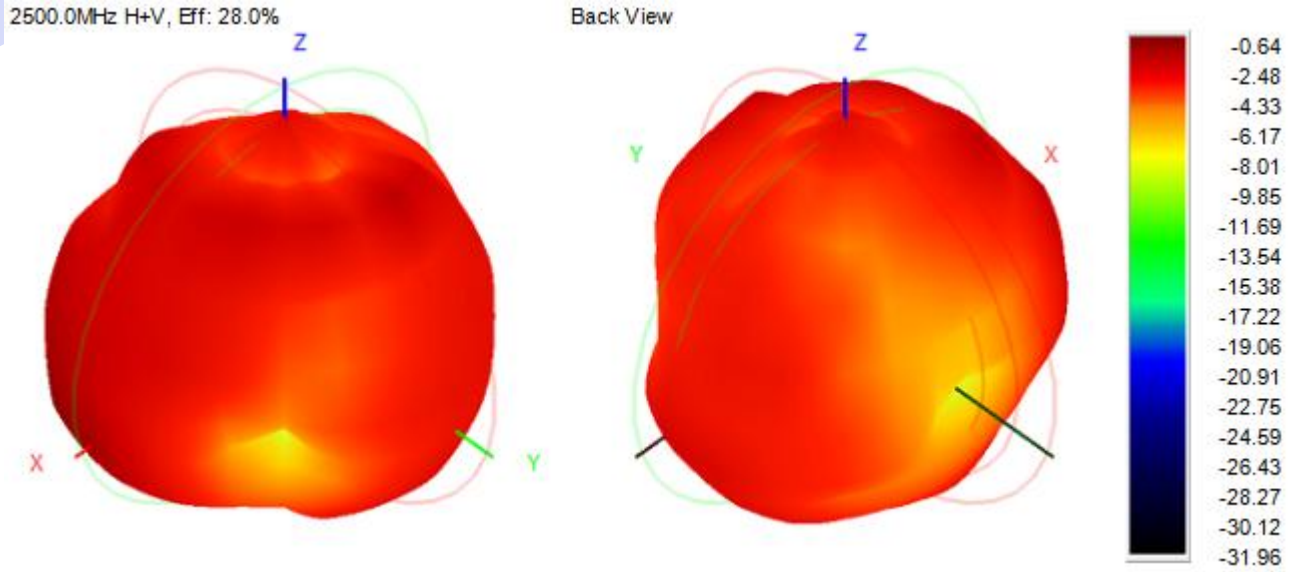


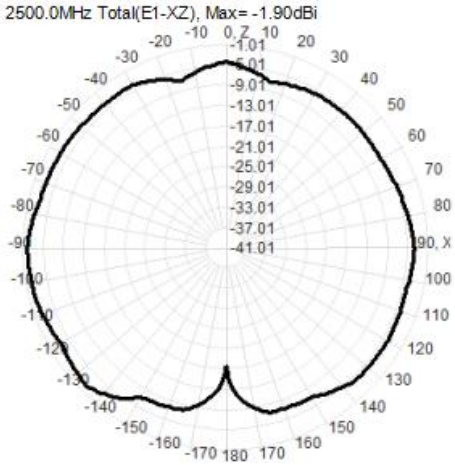


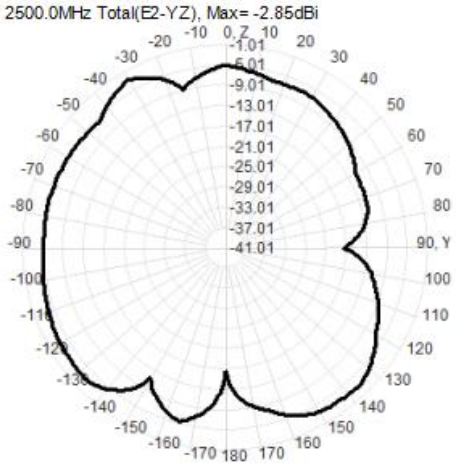


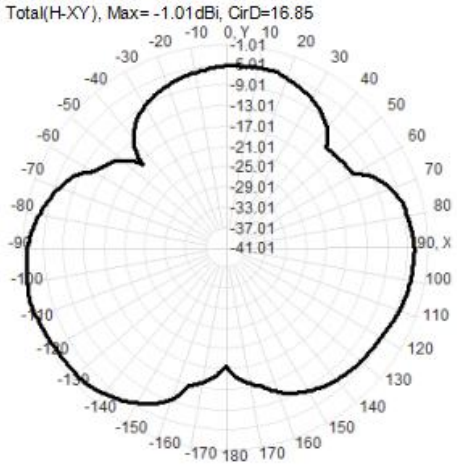
Test Result

2D&3D——BT- ANT





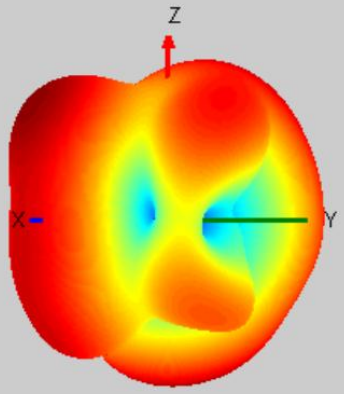




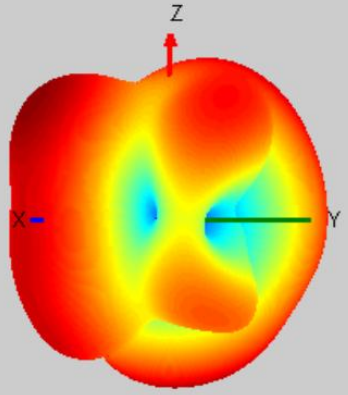
OTA DATA()--自由空间

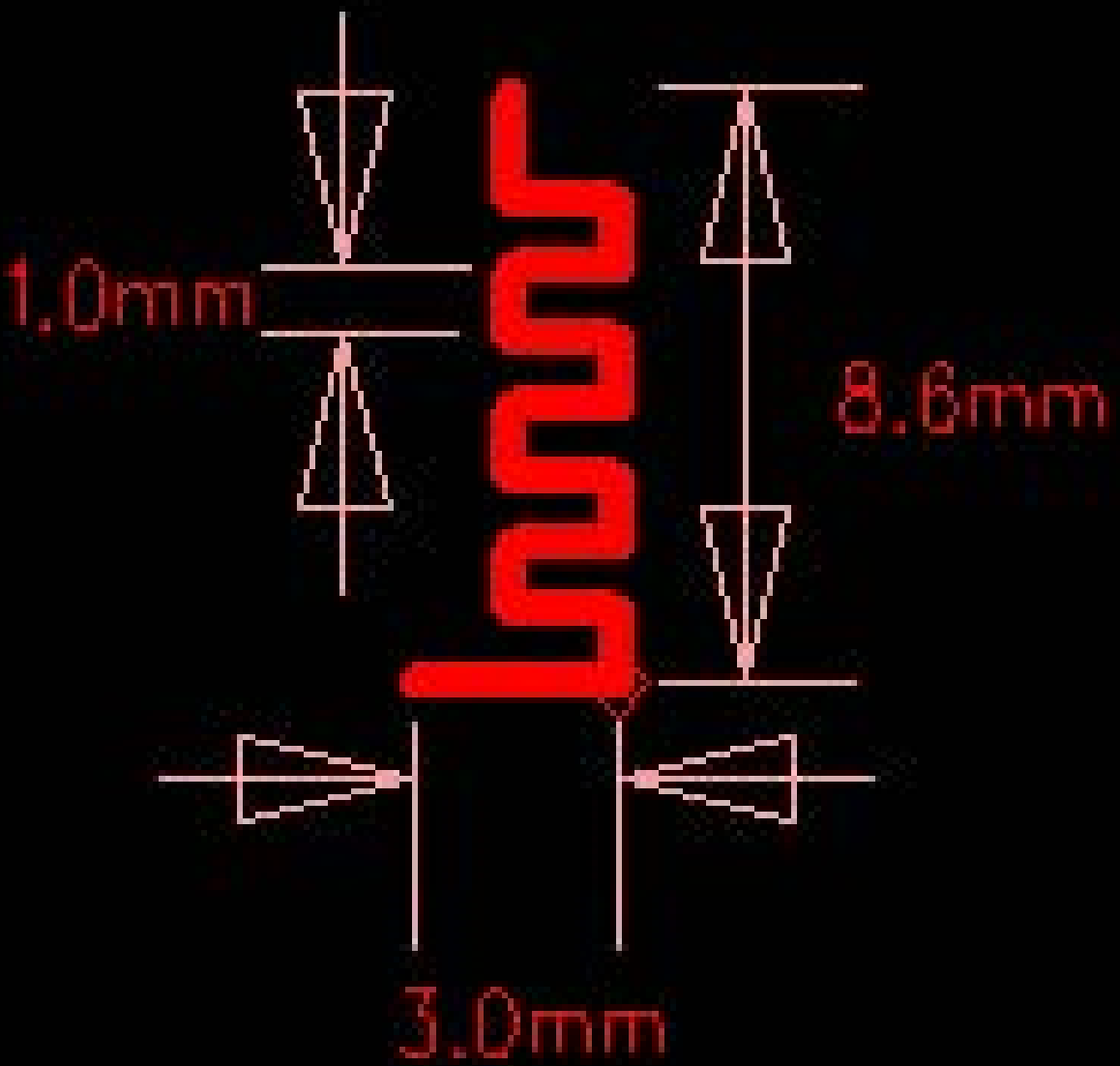
Test Equipment：	R&S CMW500			
Test Condition：	3D chamber			
Band	Wireless Protocol	Channel	TRP(dBm)	TIS(dBm)
BT		0	-1.20	-81.76
		39	-0.83	-81.35
		78	-0.36	-81.09

(L)



(R)




1.0mm
8.6mm
3.0mm